STANWIN
CASEMENTS

CATALOG NO. 1

CRITTALL
CASEMENT WINDOW CO.
DETROIT MICHIGAN

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December 1, 1928

CRITTALL
CASEMENT WINDOW CO.
DETROIT, MICHIGAN.

Main Office and Works: Detroit, Michigan

Eastern Sales Office { 309 Thirteenth Street, N.W.
Washington, D. C.

New York Office, 101 Park Avenue
Chicago Office, 333 N. Michigan Avenue
Atlanta Office, 1520 Healey Building
Cleveland Office, 1526 Keith Building
Los Angeles Office, 504 Union Insurance Building

Representatives and Dealers in all principal cities. Warehouses at all central points

STANWIN

STEEL CASEMENT WINDOWS AND DOORS

METAL casements were one of the earliest forms of windows and the most meager investigation discloses not only their association with the highest class of work but their successful weathering of the elements through long years of service.

The first metal casements were hand-wrought by the old smiths with a pride in their workmanship but little knowledge and few tools to make their products weathertight. Today modern and skilled methods of manufacture produce Stanwin Casements, retaining the traditions and beauty of the past, yet giving the practical and weathertight requirements of the present.

This catalog is designed to give complete information on Stanwin Casements and Doors in all standard sizes and types. These windows are most suitable for smaller residences, investment buildings of all kinds, including apartment houses and hotels, for schools and similar structures. For the very best class of residential work the architect is referred to our catalog of Crittall Norman Standardized Casements; and for commercial and monumental buildings Crittall Universal Casements, custom built to the architects' sizes, designs and specifications.

Residence, Larchmont, N. Y.
E. D. Parmelee, Architect

OLIVER CROMWELL HOTEL, New York, N. Y.
Emory Roth, Architect

It will be found that the range of Stanwin Casements in standard sizes will fill the requirements of nearly every type of building. Stanwin types are so numerous and diverse that it is possible to adhere strictly to standards and still have windows in complete harmony with a wide variation of designs. The construction, fabrication, and careful inspection of these windows are such that the sash are suitable in every respect to meet the most exacting weather conditions. Standardization of types and sizes, together with the most improved scientific machinery, guarantees uniformity and gives distinct character to Stanwin products.

Residence
MR. KAISER
New Rochelle, N. Y.
Frederick W. Winter
Architect

Residence
B. JACOBSON
Bronxville, N. Y.
George F. Root
Architect

THE use of casement windows has persisted through the ages because of their beauty, charm and convenience. Now that the steel casement has been brought within the purchasing power of any owner on almost any project, the rapidly increasing use is proof of its deserved popularity. Not only decorative and useful, but also truly expressive of the individual taste of both designer and owner, it is little to be wondered at that these practical windows are so rapidly displacing the cumbersome sliding wood windows.

In this new era of better fenestration Stanwin Casements are playing an important part by supplying a better window at no extra cost. The Zee bar section used for the ventilating sash is of a specially heavy section, resulting in a construction much heavier than

Residence
JAMES E. COOPER
Washington, D. C.
Owner and
Architect

Residence
Washington, D. C.
J. E. Cooper
Architect

used in the ordinary light weight casement. The hardware is of bronze of substantial design and quality.

All side hinged sash are hung on heavy steel hinges riveted to the frames, operating on bronze pins. Bronze fittings, handles and stays are bronze drop forgings, far stronger than cast bronze parts.

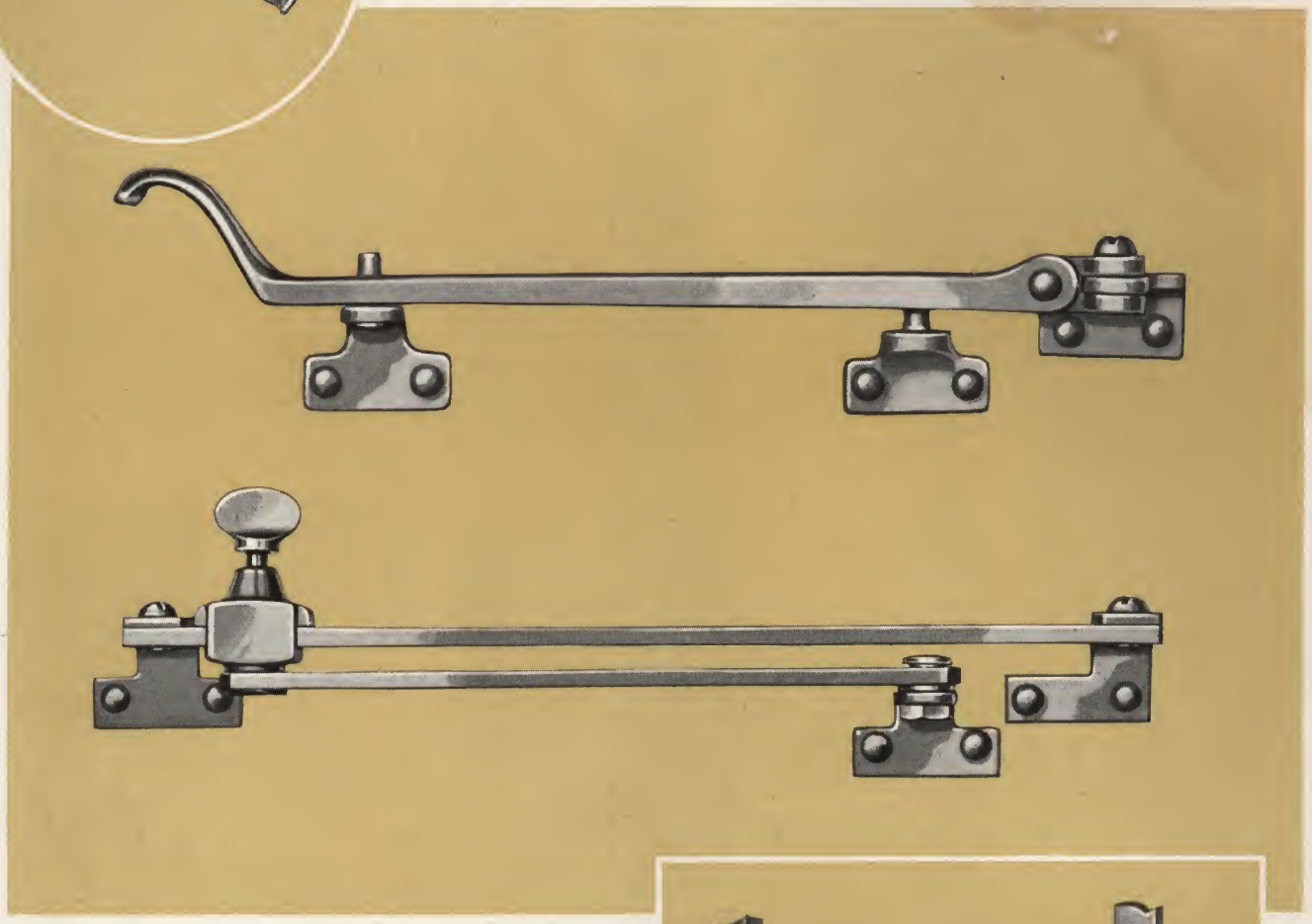
The finish on the steel is a prime coat of anti-rust primer and a second coat of gray zinc oxide paint, forming a complete protection and giving an excellent base for the final color requirements.

Stocks of casement windows and doors in standard types and sizes are held at the principal distributing centers and prompt delivery can be made anywhere in the United States.

HARDWARE

HANDLES: The handle is drop-forged bronze with two-point locking nose.

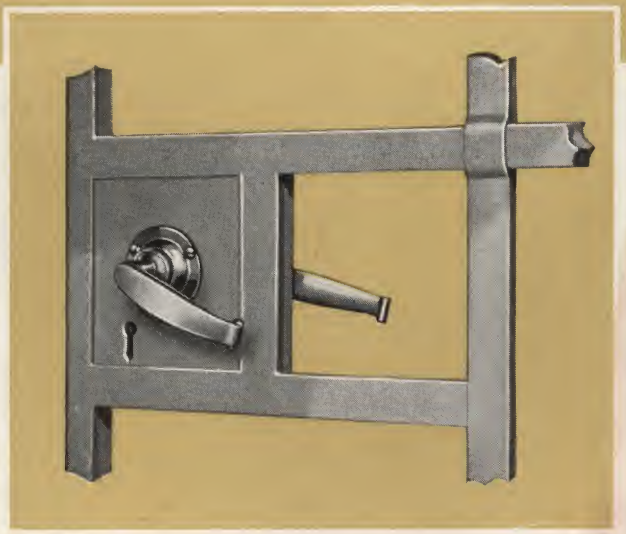
TRANSOM STAY: Top hung transoms are operated by drop-forged bronze peg stays.



SILL ADJUSTER: Sliding stays have solid bronze top and bottom bars, friction box and thumb screw. This stay holds the casement open to any position without rattling.

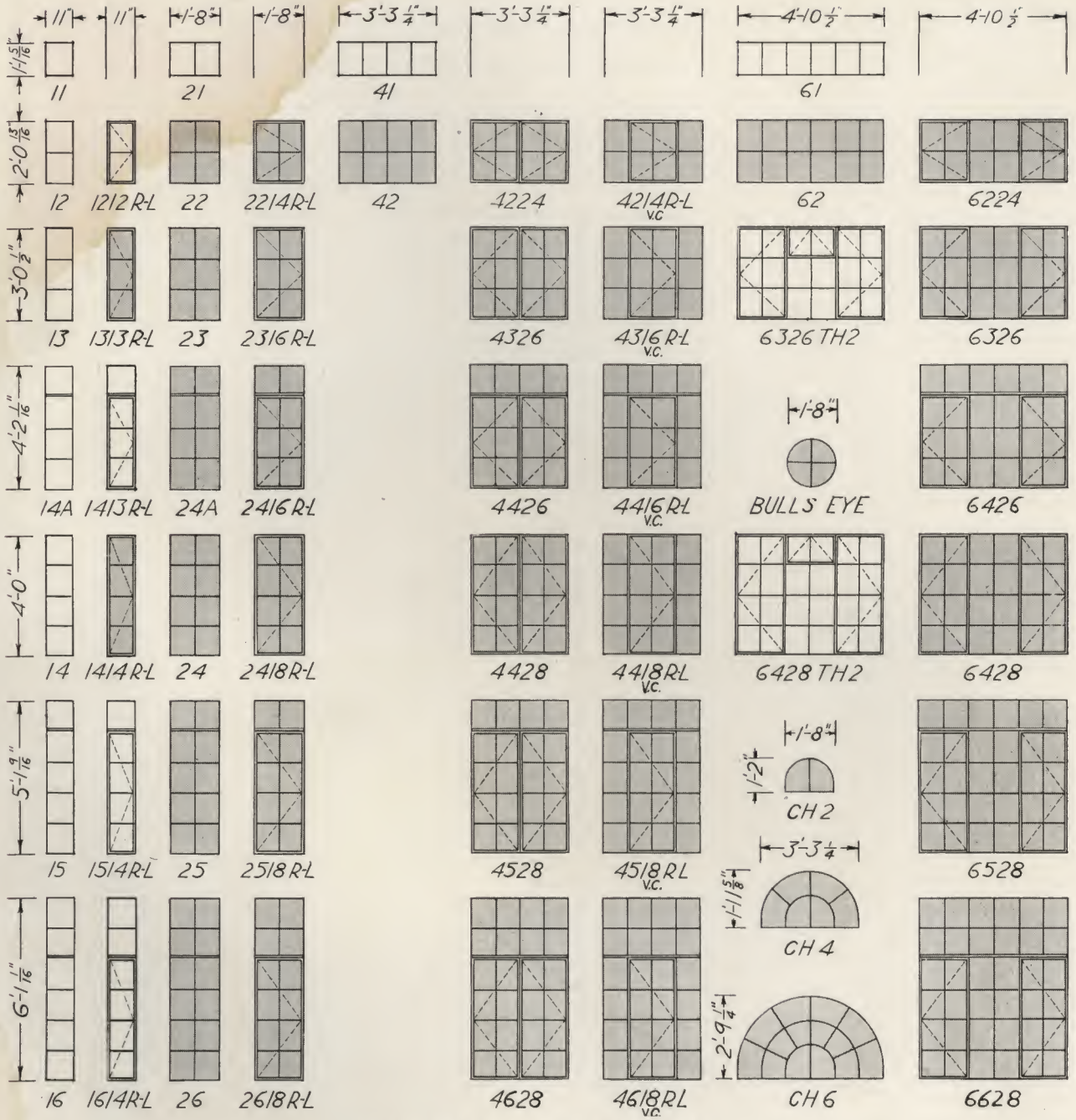
* * *

LOCK: Doors are fitted with bronze handles and a mortice latch lock. They operate from both sides.



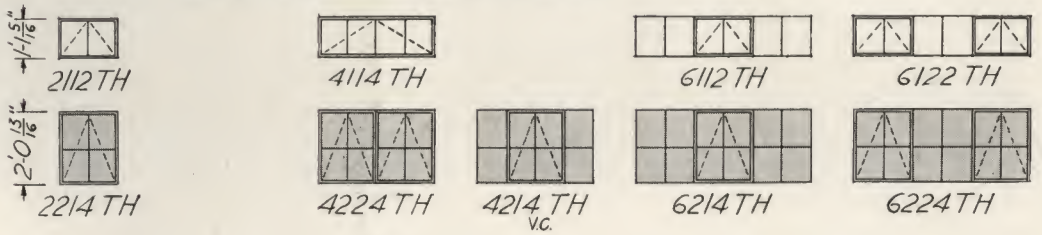
STANDARD TYPES AND SIZES WITH STEEL MUNTINS

Units carried as warehouse stock shown with shaded background



TOP HUNG TRANSOMS

NOTE: Handing of casements is determined by the hinge location viewed from the outside. Thus, a casement hinged at right is a right hand casement.

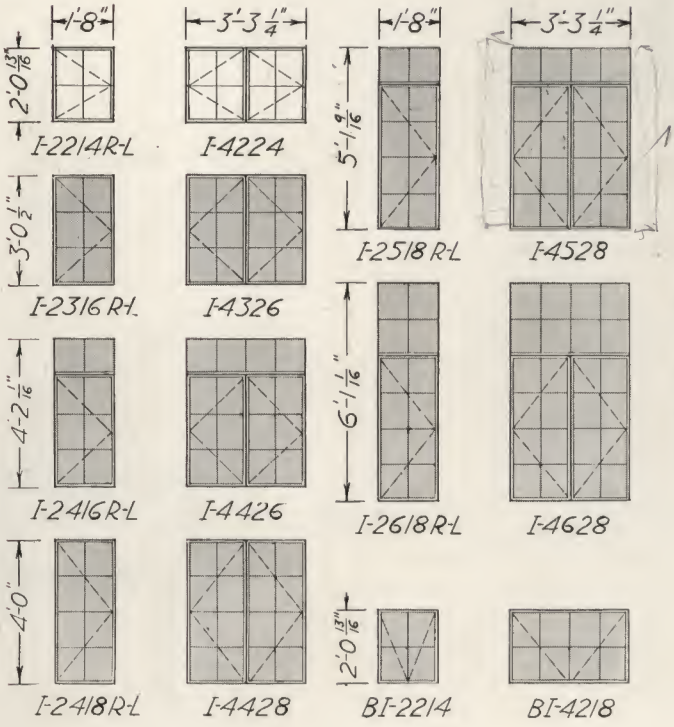


STANDARD TYPES AND SIZES FOR LEADED GLASS

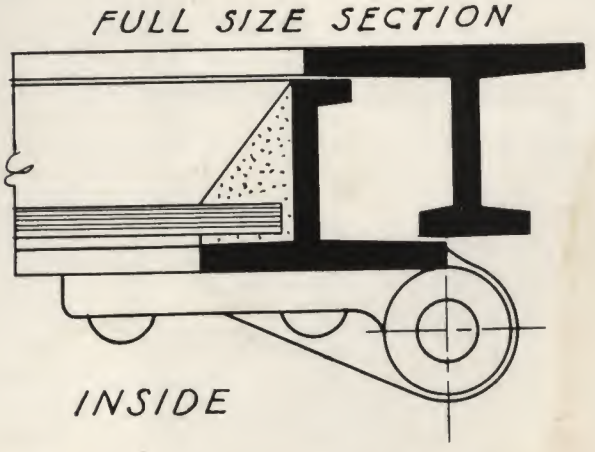
Units carried as warehouse stock shown with shaded background

TOP HUNG TRANSOMS

INWARD OPENING CASEMENTS IN STANDARD TYPES AND SIZES

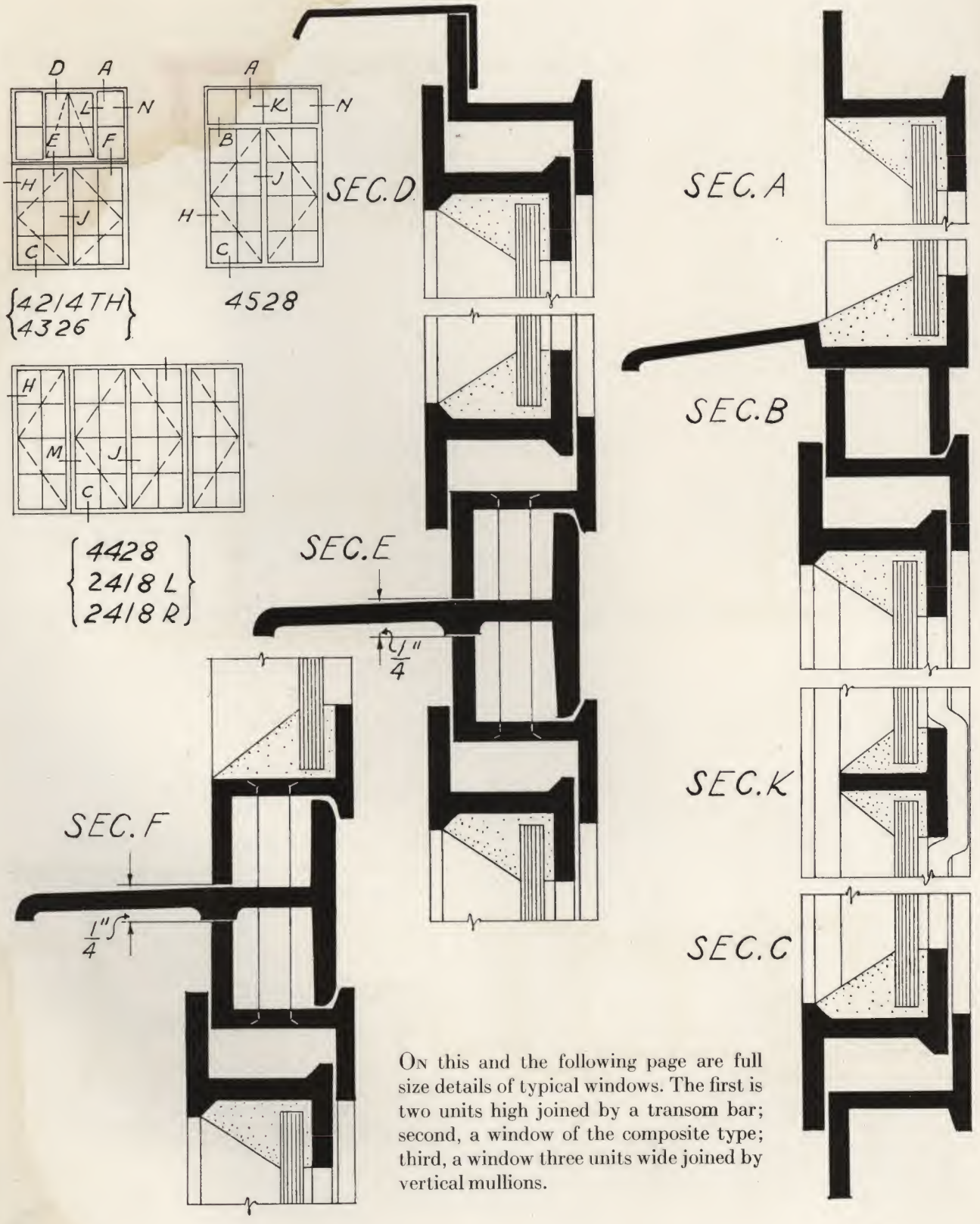


Side hinged sash are hung on steel hinges with bronze pins, and are fitted with solid bronze handles and steel brackets for cabin hooks. Folding casements are fitted with bronze cremorne bolts with steel extension rods. These double casements do not have any vertical meeting rail.



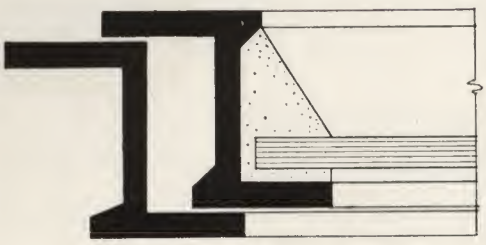
NOTE: Inward opening casements take only ⅜ inch rebate, while outward opening take ½ inch

FULL SIZE DETAILS—*Vertical Sections*



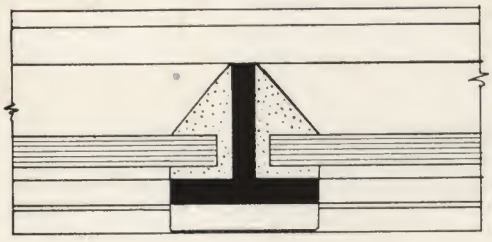
On this and the following page are full size details of typical windows. The first is two units high joined by a transom bar; second, a window of the composite type; third, a window three units wide joined by vertical mullions.

FULL SIZE DETAILS—*Horizontal Sections*

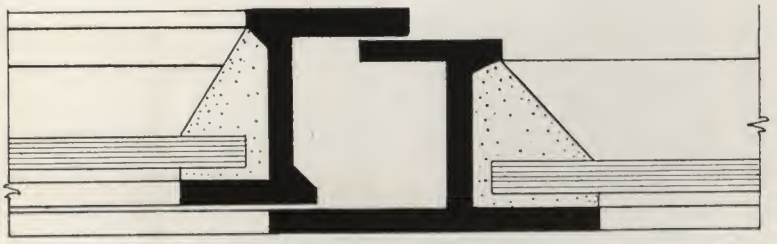


SEC. H

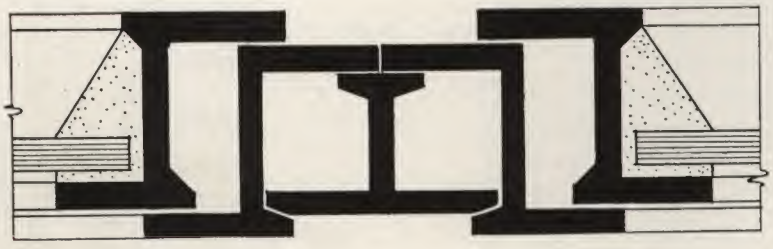
SEC. J



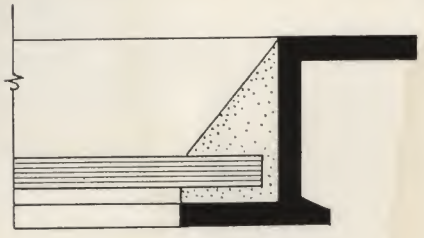
SEC. K



SEC. L



SEC. M

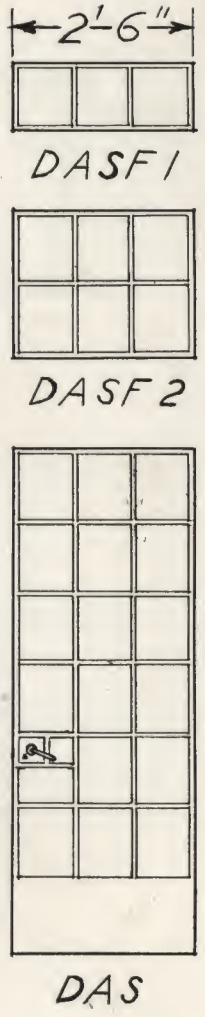


SEC. N

CASEMENT DOORS IN STANDARD TYPES AND SIZES

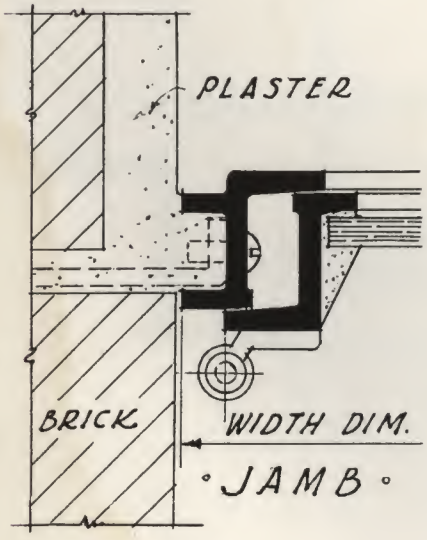
Units carried as warehouse stock shown with shaded background

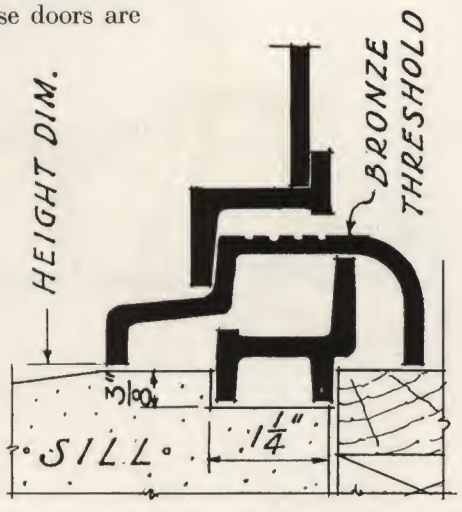
Residence, Washington, D. C., *Geo. M. Ray, Architect*



STANWIN Casement Doors (opening out) and Transoms (stationary) harmonize with Stanwin Casements. Any standard casement unit may be used as a side light with these doors, as the muntins line up horizontally. These doors are well adapted for terraces, or balcony openings and are often used for interior openings with artistic results.

The doors are constructed of medium weight casement sections. They are hung on bronze hinges and are fitted with lock, bronze lever handles operating from both sides, bronze top and bottom bolts to each leaf, cabin hooks, bronze threshold and steel kick plates.

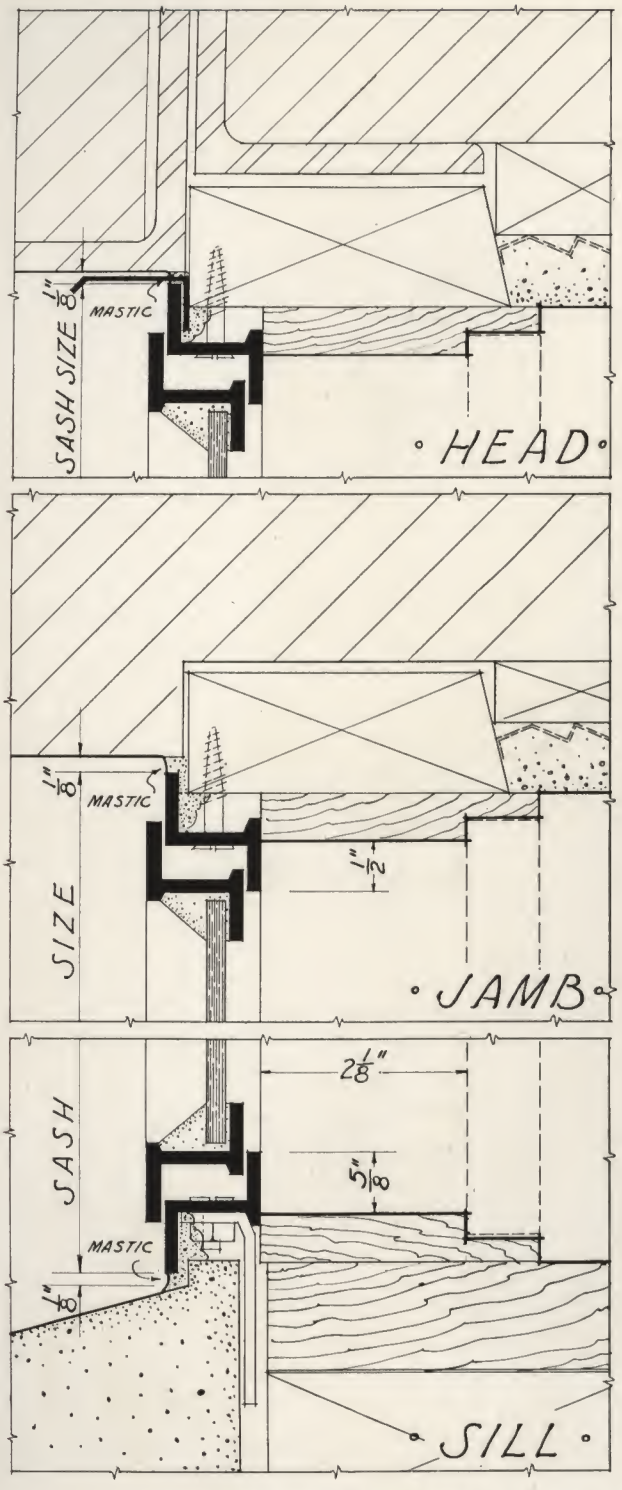




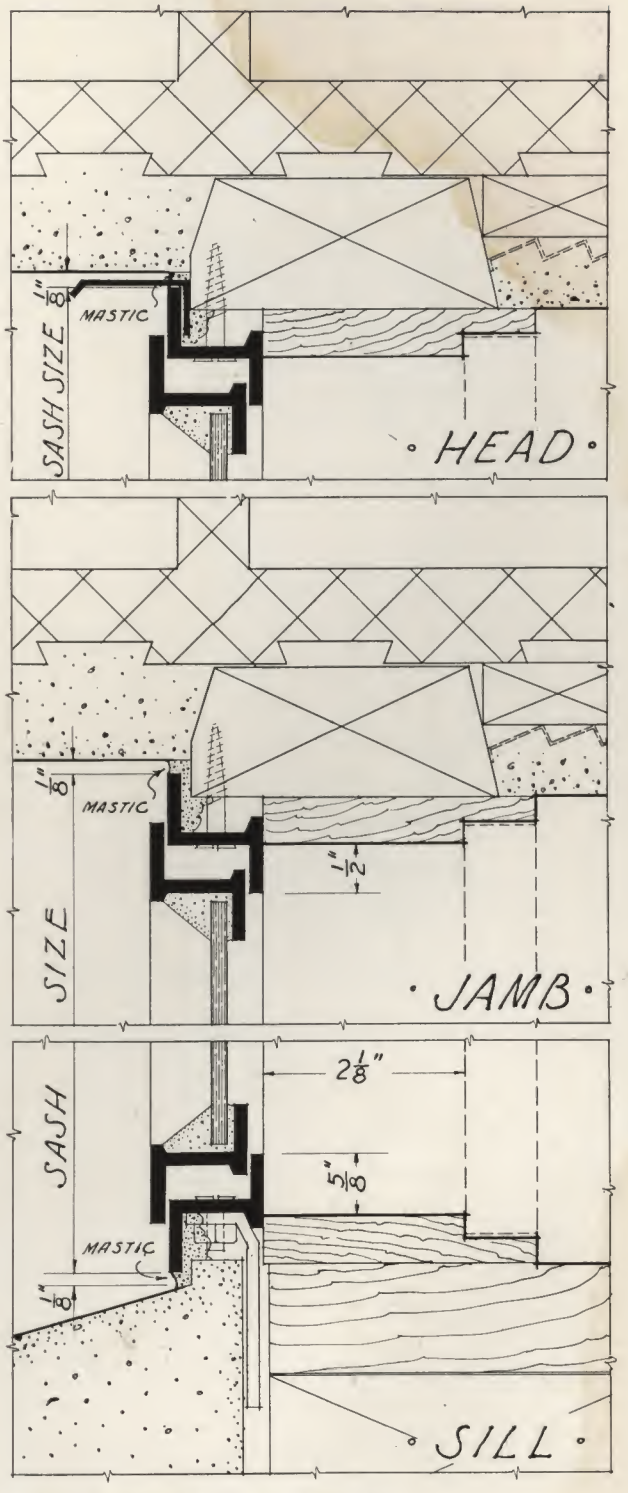
Details, Scale: Half full size

INSTALLATION DETAILS—*Scale: Half Full Size*

BRICK WALL



TILE AND STUCCO WALL

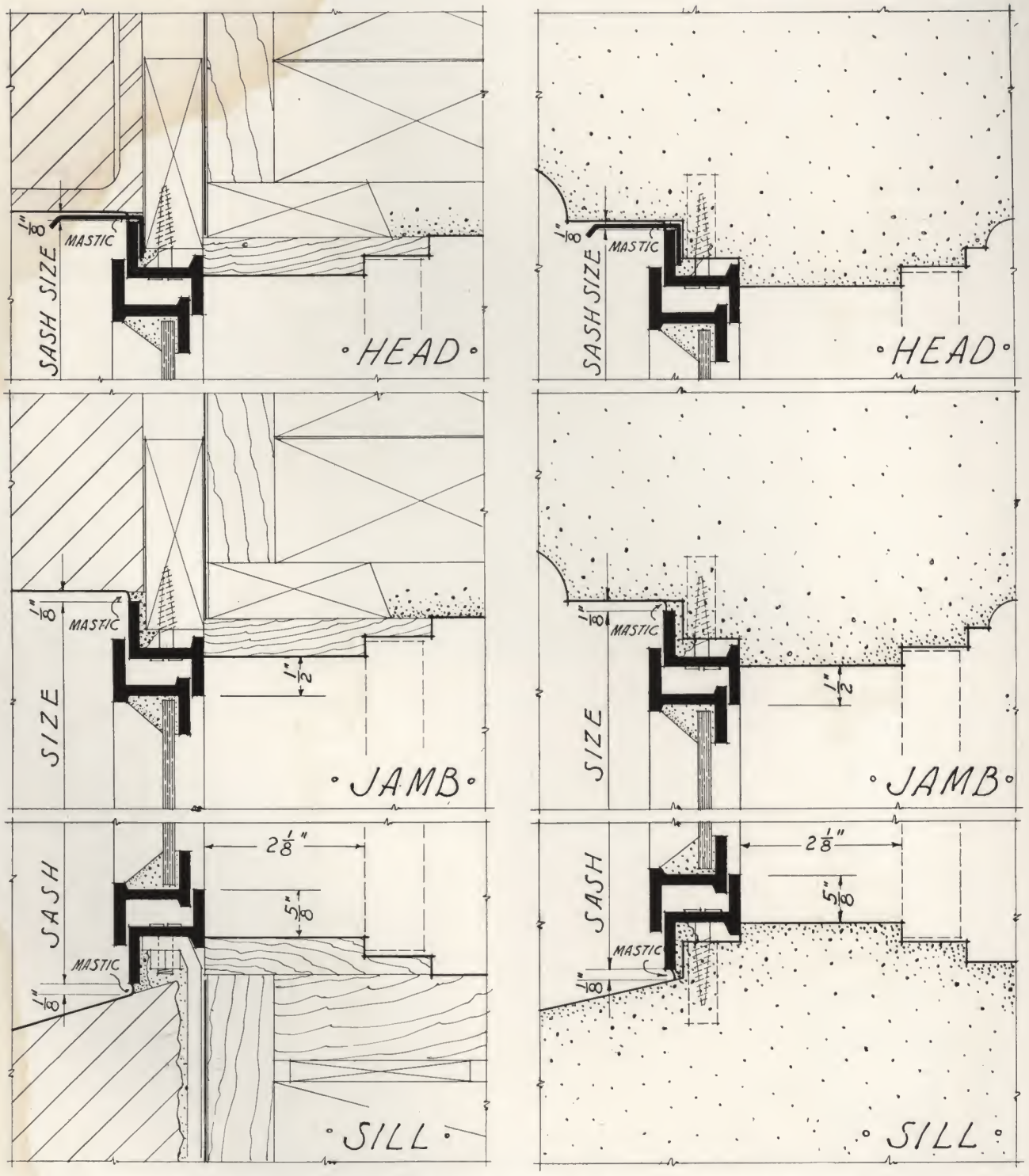


NOTE: Dimensions 2⅛ inches, ⅝ inch and ½ inch are necessary hardware clearances

INSTALLATION DETAILS—*Scale: Half Full Size*

WOOD BUCK

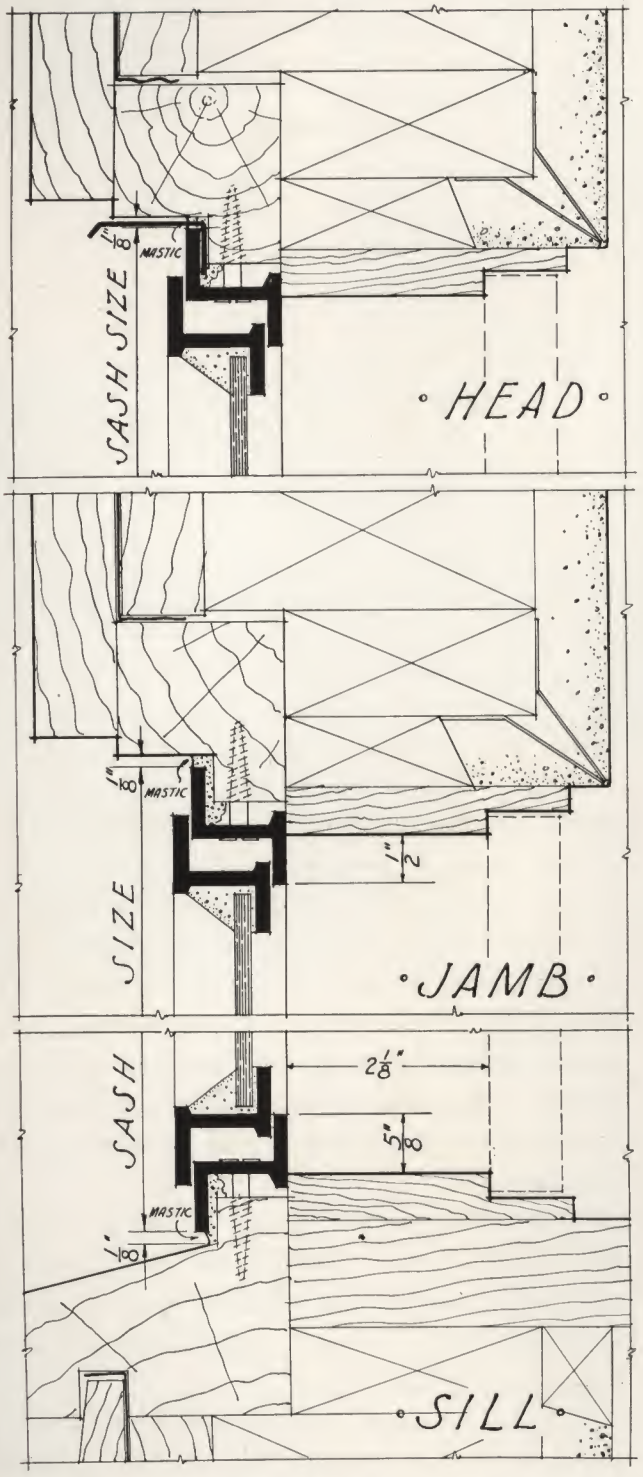
STONE



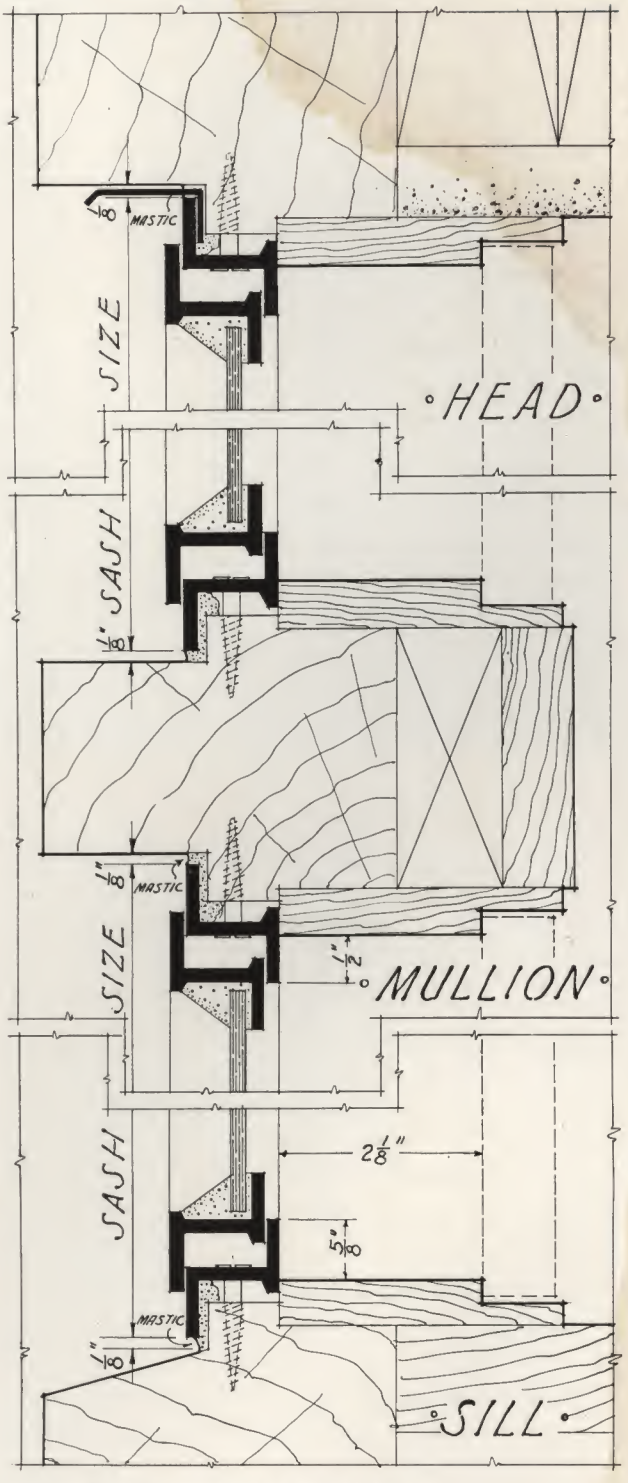
NOTE: Dimensions 2⅛ inches, ⅝ inch and ½ inch are necessary hardware clearances

INSTALLATION DETAILS—*Scale: Half Full Size*

FRAME



HALF TIMBER



NOTE: Dimensions 2⅛ inches, ⅝ inch and ½ inch are necessary hardware clearances

Setting Details

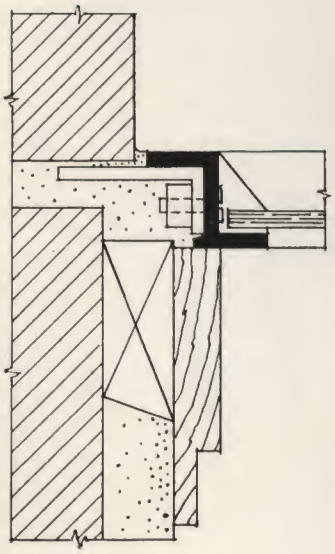
WHEN it is desired to build the casement windows and doors directly into the masonry for the purpose of added anchorage and obtaining the most perfect wind stop, we recommend the use of continuous steel jamb and head fins. These fins are bolted to the jambs and heads of the casements. The sill of the casement usually sets over a lip on the stone sill. The angle fin, however, may also be used at the sill when desired.

When casement windows and doors are thus built into the masonry, great care must be taken to see that the windows and doors are properly protected from damage during the course of the rough work in the building.

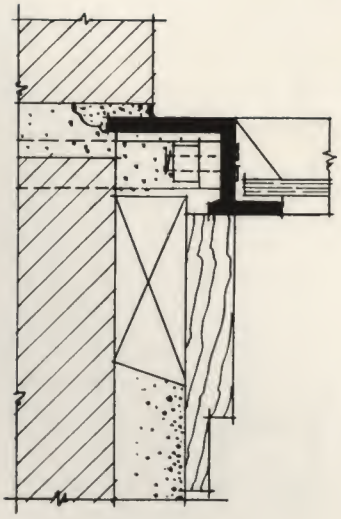
Opposite, will be found a typical installation detail, illustrating the use of continuous fins. As an alternate to the use of continuous fins, we are prepared to furnish casement windows in standard types and sizes (excepting semi-circular head transoms and in-swinging type casements) illustrated on Pages 8 and 9, with a wide flange frame section to allow the casements to be built directly into the masonry to obtain added anchorage and the most perfect weathering.

This construction is particularly advantageous for large installations, as the cost of the wide flange is but slightly more than the standard frame section, and is less than the cost of continuous fins.

The wide flange casement windows are not stocked in warehouses, but prompt delivery can be made, as the bars are already cut and in stock at the factory.



CONTINUOUS ANGLE FIN



WIDE FLANGE SECTION

Well draped windows with both curtains and drapes to draw.

Screens and Draperies for Casements

SCREENS: Outward opening types of Stanwin Casements are screened on the inside. Inside screens provide the necessary insect protection in summer and also serve as protection to drapes, which remain clean longer and last longer when they are kept from blowing in and out the open window by the screens.

Inside screens may be the inward opening casement type, or they may be sliding screens which push past one another, or, perhaps most modern of all, they may be of the rolling type. It is suggested that a screen manufacturer's local representative be consulted when detailing screens.

DRAPES: Many artistic effects are obtained with rather simple draw curtains which control the light and insure privacy when desired. The tendency is to show as much of the window as possible, using the drapes to enhance the natural beauty of the window itself.

Shades, in general, mar this effect of window beauty and since it is easy to secure perfect privacy as well as light control with well arranged drapes and glass curtains, shades are usually omitted. They are entirely practical and can be used when circumstances or individual taste demand them.

House for V. Green Co.
Greenhaven, N. Y.
R. J. Miller, Architect

John Harris High School
Harrisburg, Pa.
Lappley & Hornbostel, Architects

580 West End Avenue
New York, N. Y.
Emory Roth, Architect

Group Houses
Washington, D. C.
Baer & Scholz, Architects

Riverview Manor
Harrisburg, Pa.
C. J. Lappley, Architect

SPECIFICATIONS

for

STANWIN STEEL CASEMENT WINDOWS AND DOORS IN STANDARD TYPES AND SIZES

WINDOWS: Steel casement windows shall be Stanwin in standard sizes and types. They shall be constructed of special rolled solid steel casement bars of Zee bar section. The muntins shall be interlocked at the intersections and riveted into the frame members.

HARDWARE: All side hinged sash shall be hung on cleaning hinges. Hinge leaves shall be of solid rolled steel, riveted to the frames. They shall have bronze pins and be bronze bushed. Side hinged sash shall be fitted with drop-forged bronze casement handles bolted to the handle plate. The striking plates shall be of bronze. Sill adjusters shall be sliding stays with bronze guides, slide bars and thumb screws.

Top hinged sash shall be equipped with drop-forged bronze peg stays bolted to attachment brackets.

NOTE: Under-screen operators can be furnished in lieu of standard design sliding sill adjusters at additional cost.

PAINTING: All windows shall receive one priming coat of anti-rust primer and a second coat of gray zinc oxide paint before shipment.

GLAZING: All windows shall be glazed with (state if double strength or ¼-inch thick plate glass or leaded) glass set in special steel sash putty and secured with spring glazing clips.

ERECTION: The window manufacturer shall furnish the necessary lugs, screws and mastic cement for setting casements. All windows shall be set plumb, square and true, properly aligned, securely anchored and adjusted before glazing. Windows shall be set and bedded in mastic. (When desired the Crittall Casement Window Company will erect and caulk casement windows in prepared openings.)

CONTINUOUS FINS: If continuous steel jamb and head fins are to be furnished, or casement windows are to be supplied with the wide frame section, be sure to so state.

DOORS: All exterior and interior doors in (state here location of doors) shall be Stanwin Doors in standard sizes. They shall be of medium weight casement sections hung on solid bronze hinges. They shall be fitted with a key lock, bronze lever handles operating from both sides, bronze sliding top and bottom bolts on each leaf, cabin hooks, steel kick plate and bronze threshold. They shall be furnished and erected with the windows.

PRODUCTS
of
CRITTALL

STANWIN CASEMENTS

A standard light weight casement stocked in warehouses for convenient distribution.

NORMAN CASEMENTS

An economical, heavy, standardized casement of excellent quality for better class projects.

UNIVERSAL CASEMENTS

Custom built, of solid steel or bronze, to meet the architects' sizes, designs and most exacting specifications.

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EVANS-WINTER-HEBR, DETROIT

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CASEMENTS

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CASEMENT WINDOW CO.
DETROIT MICHIGAN

A.I.A. No. 16-e-1